

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claim 1 (currently amended): A titanium oxide having a selected ion chromatogram in which an evolution gas having 28 of a ratio of mass number to electric charge quantity exhibits at least one peak at about 600°C or higher, and further having a selected ion chromatogram in which an evolution gas having 64 of a ratio of mass number to electric charge quantity exhibits at least one peak at 800°C or higher, the selected ion chromatograms being measured in a thermogravimetry-mass-spectroscopy.

Claim 2 (original): The titanium oxide according to claim 1, further having a selected ion chromatogram in which an evolution gas having 14 of a ratio of mass number to electric charge quantity exhibits a peak at about 600°C or higher, the selected ion chromatogram being measured in a thermogravimetry-mass-spectroscopy.

Claim 3 (currently amended): The titanium oxide according to claim 1, wherein said ~~peak~~ peak of the evolution gas having 28 of a ratio of mass number to electric charge quantity is exhibited at about 950°C or lower.

Claim 4 (currently amended): The titanium oxide according to claim 2, wherein said ~~peak~~ peak of the evolution gas having 14 of a ratio of mass number to electric charge quantity is exhibited at about 950°C or lower.

Claim 5 (canceled).

Claim 6 (currently amended): The titanium oxide according to any one of claims 1 to 5 4, wherein the selected ion chromatogram is measured under a condition of applying a Channeltron Electron Multiplier voltage of 1000V.

Claim 7 (currently amended): The titanium oxide according to any one of claims 1 to ~~5~~ 4, wherein the selected ion chromatogram is measured under a condition of applying a Channeltron Electron Multiplier voltage of 1500V.

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Claim 8 (currently amended): A photocatalyst containing the titanium oxide as claimed in any one of claims 1 to ~~5~~ 4 as a catalyst component.

Claim 9 (currently amended): A photocatalyst coating composition comprising the titanium oxide as claimed in any one of claims 1 to ~~5~~ 4 and a solvent.

Claim 10 (new): The titanium oxide according to claim 1, further having a* value of from -6 to -2 in terms of L*a*b* color space.

Claim 11 (new): The titanium oxide according to claim 1, further having b* value of 8 or more in terms of L*a*b* color space.

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Claim 12 (new): The titanium oxide according to claim 1, further having b* value of 15 or more in terms of L*a*b* color space.

Claim 13 (new): A photocatalyst containing the titanium oxide as claimed in any of claims 10 to 12 as a catalyst component.

Claim 14 (new): A photocatalyst coating composition comprising the titanium oxide as claimed in any of claims 10 to 12 and a solvent.
